

Ackerman, Joyce

From: Jackie Rowley <JRowley@Geosyntec.com>
Sent: Wednesday, April 4, 2018 10:49 AM
To: Ackerman, Joyce
Cc: Jonathan H. Steeler; Dave Folkes; Thomas J. Krasovec; 'Richard Dean'
Subject: Proposal to Backfill Phase 2B and 3
Attachments: Stratus Proposal to Backfill Phase 2B and 3 - April 4 2018.pdf

Good morning Joyce,

Please see the attached proposal from Stratus to backfill the Phase 2B and 3 pits.

Cheers,

Jackie Rowley
Geologist

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April 2, 2018

Ms. Joyce Ackerman
On-Scene Coordinator and START P.O.
US EPA Region 8
1595 Wynkoop Street
Denver, CO 80202-1129

**RE: Proposal to Backfill the Phase 2B and Phase 3 Excavations
Neuhauser Landfill Drum Removal Action
Administrative Order on Consent Docket Number CERCLA-08-2018-0002**

Dear Ms. Ackerman:

As you requested, this letter is a proposal to backfill the Phase 2B and Phase 3 excavations at the Neuhauser Landfill Site, shown on Figure 1. Stratus Redtail Ranch, LLC (Stratus) understands that all drums have been removed from these excavations as required by the above AOC, and that the excavations are ready to be backfilled once all confirmation soil samples have been collected pursuant to the Drum Removal Work Plan (DRWP). The following sections describe the proposed backfilling procedure and material, and the status of confirmation sampling.

Phase 2B Gravel Layer

A gravel layer will first be placed on the bottom of the Phase 2B excavation, in a manner approved by the Colorado Department of Public Health and Environment (CDPHE). Plans for the gravel layer have been submitted to CDPHE for approval under separate cover. The gravel layer is intended to allow efficient and cost-effective injection of remediation materials, if required by CDPHE as part of future corrective measures.

Backfill Material

Stratus plans to backfill the remainder of the Phase 2B excavation, and the Phase 3 excavation, with soils determined to be clean during drum removal, and soils that EPA has determined may remain on site, as described below. Clean soils are those excavated pursuant to the DRWP and found to have PID monitor readings below 100ppm; i.e., stockpiles *CLEAN-SP-01*, *CLEAN-SP-02*, *CLEAN-SP-03*, *CLEAN-SP-04*, *CLEAN-SP-05*, and *CLEAN-SP-06* as shown on Figure 1, attached. Soils in stockpiles *PHASE1-SP-3*, and *PHASE1-SP-5*, had initial PID monitor readings above 100ppm, but subsequent soil samples indicated that the concentrations of compounds of concern were sufficiently low for EPA to allow these soils to remain on site. Therefore, as outlined in

Proposal to Backfill Phase 2B and Phase 3 Excavations

Neuhauser Landfill Site

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the DRWP, Stratus plans to begin regrading and backfilling the Phase 3 and Phase 2B excavated areas, using the stockpiles listed above, as approved by CDPHE.

Confirmation Samples

As requested, the analytical results of confirmation samples collected from the Phase 3 and Phase 2B excavation floors and side walls are summarized in Tables 1 and Table 2, respectively. Confirmation sample locations are shown on Figure 2. Confirmation sampling of Phase 3 has been completed. Test-pits from the Phase 2B excavation bottom will serve as confirmation floor samples, as shown in Table 2. The Phase 2B confirmation wall samples were collected on Monday, April 2, 2018; a table providing these results will be sent to the EPA as soon as possible after receipt from the laboratory.

Thank you for your consideration of this proposal and your efforts to help Stratus fulfill the requirements of the AOC and DRWP. We look forward to completing the work as soon as possible once approved by EPA.

Sincerely,
Stratus Redtail Ranch LLC

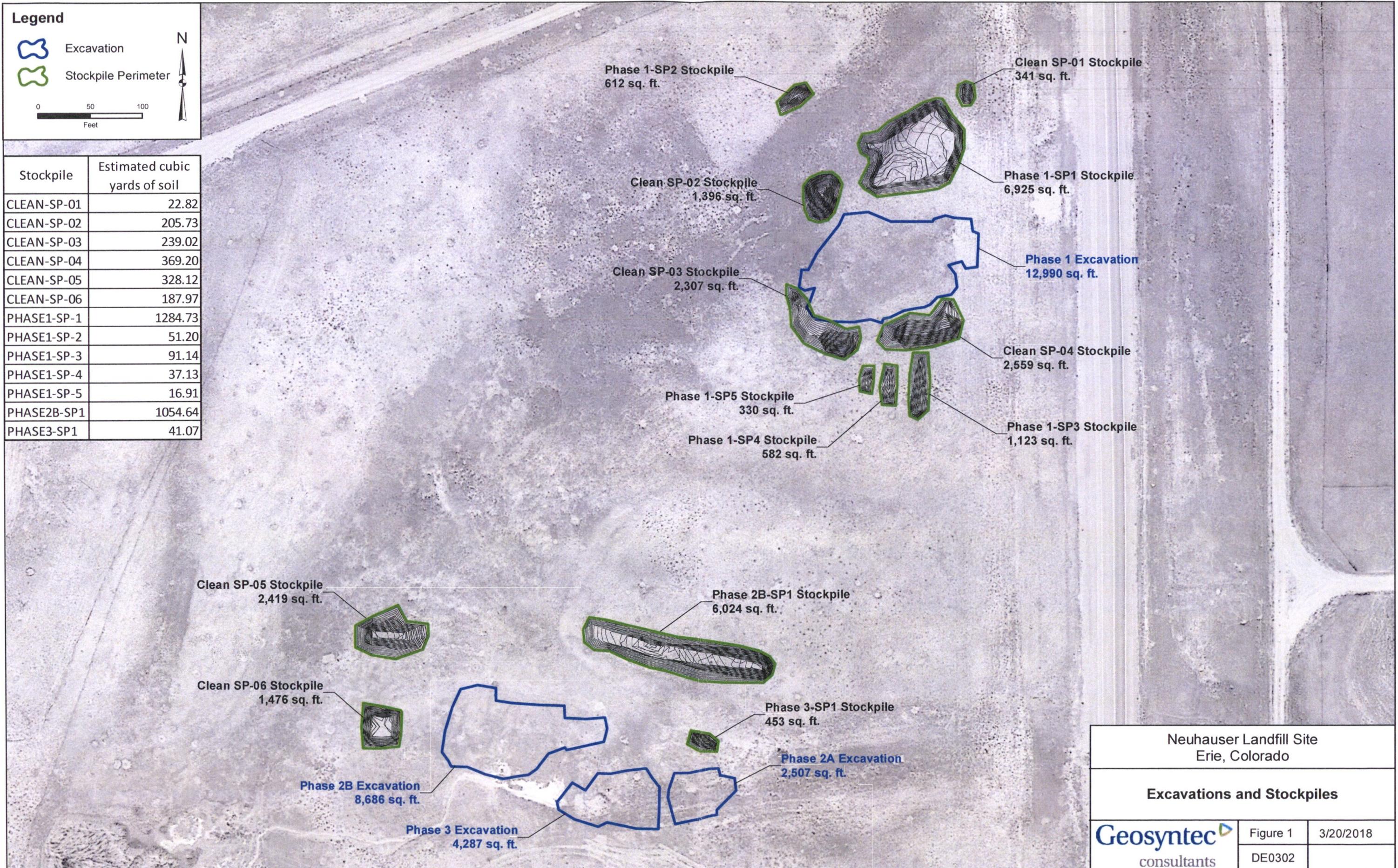


Richard Dean
Manager

Attachments:
Figures 1 and 2
Tables 1 and 2

cc:

Curtis Stovall, CDPHE
David Walker, CDPHE
Jonathan Steeler, Esquire
Jackie Rowley, Geosyntec
David Folkes, Geosyntec



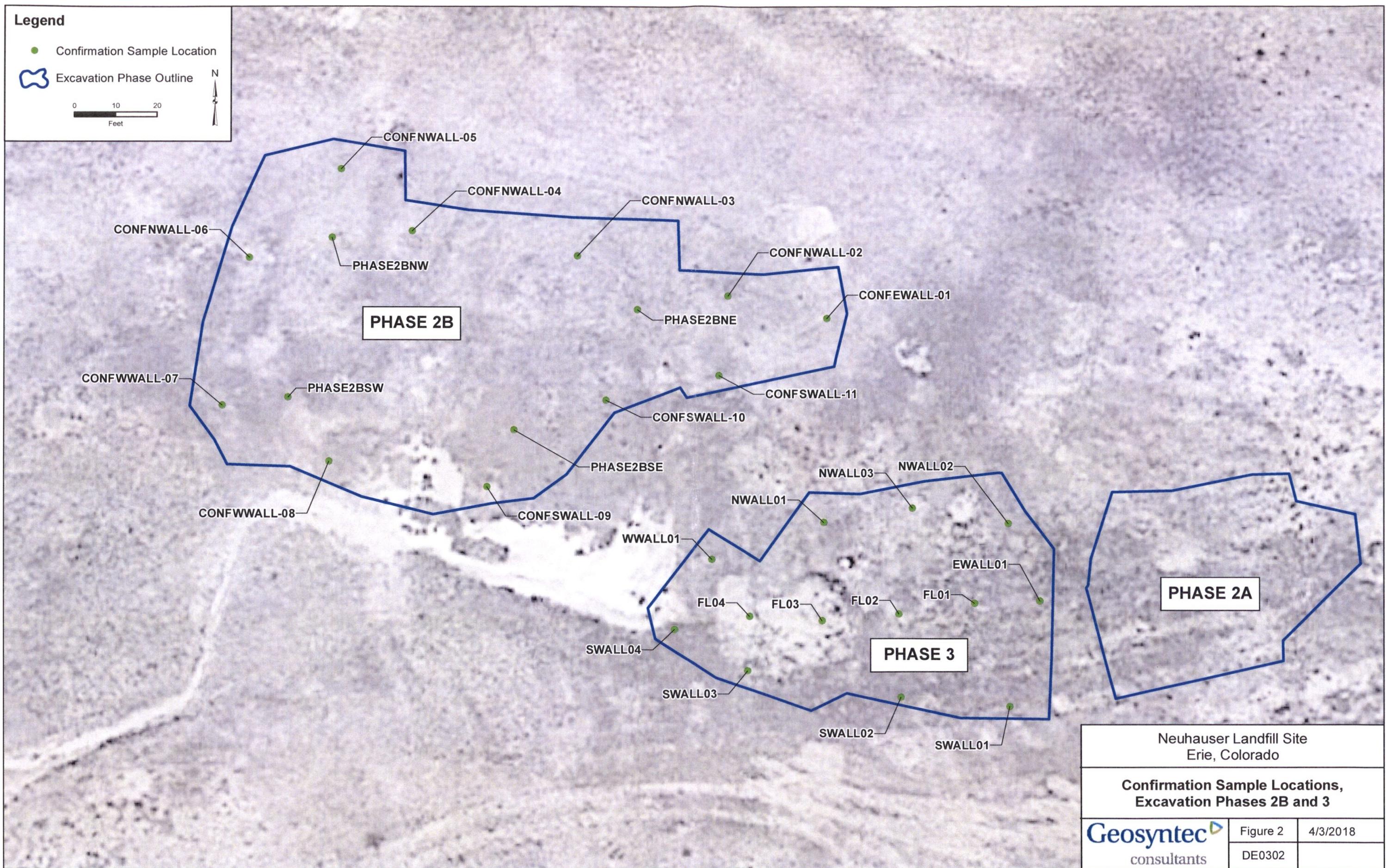


Table 1 - Phase 2B Detected Soil Results From Test-pits (To Be Used as Confirmation Floor Samples)
Stratus Redtail Ranch, Erie, Colorado

	Sample ID	NLF-SS-PHASE2BNW02-021718	NLF-SS-PHASE2BNW04-021718	NLF-SS-PHASE2BNW06-021718	NLF-SS-PHASE2BNW08-021718	NLF-SS-PHASE2BNW10-021718	NLF-SS-PHASE2BNE02-022118	NLF-SS-PHASE2BNE04-022118	NLF-SS-PHASE2BNE06-022118	NLF-SS-PHASE2BSE02-022118	NLF-SS-PHASE2BSE04-022118	NLF-SS-PHASE2BSE05-022118	NLF-SS-PHASE2BSW00-021618	NLF-SS-PHASE2BSW02-021618	NLF-SS-PHASE2BSW04-021618	NLF-SS-PHASE2BSW06-021618	NLF-SS-PHASE2BSW08-021618	NLF-SS-PHASE2BSW10-021618	NLF-SS-PHASE2BSW12-021618
	Sample Location Description	Sample from test pit in northwest corner of Phase 2B pit. (2' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (4' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (6' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (8' below the pit floor)	Excavator hit bedrock 1'6" below pit floor in western end of pit, west test pit moved approx. 10' east and 3' south (sampled 10' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (2' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (4' below the pit floor)	Sample from test pit in the SE corner of Phase 2B pit (2' below the pit floor)	Soil sampled from a test pit in the SE corner of Phase 2B pit (4' below the pit floor)	Sample from test pit in the SE corner of Phase 2B pit (5' below the pit floor and directly above bedrock)	Duplicate of NLF-SS-PHASE2BSW04-021618 soil sample		Soil from SW test pit in 2B					
Compounds	Lab Identifier	180-75089-1	180-75089-1	180-75089-1	180-75089-1	180-75089-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	
Compounds	Date Collected	2/17/2018	2/17/2018	2/17/2018	2/17/2018	2/17/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	
Volatile Organic Compounds																			
1,1,1-Trichloroethane	mg/kg	0.15 U	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.91 U	0.16 U	8 U	0.79 U	0.78 U	0.15 U	0.15 U					
1,1,2,2-Tetrachloroethane	mg/kg	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	1.7 U	0.17 U	0.18 U	0.17 U	0.17 U	1.1 U	0.2 U	9.5 U	0.94 U	0.93 U	0.18 U	0.18 U	
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	1.1 U	0.11 U	0.12 U	0.11 U	0.11 U	0.69 U	0.12 U	6.1 U	0.6 U	0.59 U	0.12 U	0.11 U	
1,1,2-Trichloroethane	mg/kg	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	1.4 U	0.14 U	0.15 U	0.14 U	0.14 U	0.87 U	0.16 U	7.6 U	0.76 U	0.75 U	0.15 U	0.14 U	
1,1-Dichloroethane	mg/kg	0.11 U	1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.12 U	5.7 U	0.57 U	0.56 U	0.11 U	0.11 U					
1,1-Dichloroethene	mg/kg	0.17 U	1.6 U	0.16 U	0.17 U	0.16 U	0.16 U	1 U	0.19 UF2	9.1 U	0.9 U	0.89 U	0.17 U	0.17 U					
1,2,3-Trichlorobenzene	mg/kg	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	1.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.75 U	0.14 UF1 F2	6.6 U	0.65 U	0.64 U	0.13 U	0.12 U	
1,2,4-Trichlorobenzene	mg/kg	0.098 U	0.096 U	0.094 U	0.095 U	0.096 U	0.93 U	0.093 U	0.099 U	0.093 U	0.093 U	0.58 U	0.11 UF1 F2	5.1 U	0.51 U	0.5 U	0.098 U	0.097 U	
1,2-Dibromo-3-Chloropropane	mg/kg	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.19 U	0.18 U	0.18 U	1.1 U	0.2 U	9.8 U	0.97 U	0.96 U	0.19 U	0.18 U	
1,2-Dibromoethane	mg/kg	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	1.6 U	0.16 U	0.17 U	0.16 U	0.16 U	0.99 U	0.18 U	8.7 U	0.86 U	0.85 U	0.17 U	0.16 U	
1,2-Dichlorobenzene	mg/kg	0.24 U	2.3 U	0.23 U	0.25 U	0.23 U	0.23 U	1.5 U	0.26 U	13 U	1.3 U	1.3 U	0.25 U	0.24 U					
1,2-Dichloroethane	mg/kg	0.088 U	0.086 U	0.085 U	0.087 U	0.084 U	0.84 U	0.084 U	0.084 U	0.084 U	0.084 U	0.52 U	0.095 U	4.6 U	0.46 U	0.45 U	0.089 U	0.087 U	
1,2-Dichloropropane	mg/kg	0.15 U	0.15 U	0.14 U	0.14 U	0.15 U	1.4 U	0.14 U	0.15 U	0.14 U	0.14 U	0.89 U	0.16 U	7.8 U	0.78 U	0.76 U	0.15 U	0.15 U	
1,3-Dichlorobenzene	mg/kg	0.097 U	0.095 U	0.093 U	0.094 U	0.095 U	0.92 U	0.092 U	0.098 U	0.092 U	0.092 U	0.58 U	0.1 U	5.1 U	0.5 U	0.5 U	0.097 U	0.096 U	
1,4-Dichlorobenzene	mg/kg	0.062 U	0.061 U	0.06 U	0.06 U	0.061 U	0.59 U	0.059 U	0.062 U	0.059 U	0.059 U	0.37 U	0.067 U	3.2 U	0.32 U	0.32 U	0.062 U	0.061 U	
1,4-Dioxane	mg/kg	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	21 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	13 U	2.4 UF2	120 U	12 U	11 U	2.2 U	2.2 U
2-Butanone (MEK)	mg/kg	0.65	0.17 U	0.17 U	0.52	0.92	98	0.54	0.73	0.18 U	0.17 U	4.6	0.43	63	6.2	12	0.18 U	0.17 U	
2-Hexanone	mg/kg	0.25 U	2.4 U	0.24 U	0.26 U	0.24 U	0.24 U	1.5 U	0.27 U	13 U	1.3 U	1.3 U	0.26 U	0.25 U					
4-Methyl-2-pentanone (MIBK)	mg/kg	0.11 U	0.11 U	0.11 U	0.21 J	0.33	3	0.11 U	0.11 U	0.11 U	0.11 U	2.4	0.12 U	5.9 U	2	3.1	0.17 J	0.11 U	
Acetone	mg/kg	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U	1.8 U	0.18 U	0.19 U	0.18 U	0.18 U	1.1 U	0.21 U	10 U	1 U	0.98 U	0.19 U	0.19 U	
Benzene	mg/kg	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	1.1 U	0.11 U	0.12 U	0.11 U	0.11 U	0.71 U	0.13 U	6.2 U	0.62 U	0.61 U	0.12 U	0.12 U	
Bromoform	mg/kg	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	0.16 U	0.15 U	0.15 U	0.94 U	0.17 U	8.3 U	0.82 U	0.81 U	0.16 U	0.16 U	
Bromomethane	mg/kg	0.27 U	0.27 U	0.26 U	0.26 U	0.27 U	2.6 U	0.26 U	0.28 U	0.26 U	0.26 U	1.6 U	0.29 U	14 U	1.4 U	1.4 U	0.27 U	0.27 U	
Carbon disulfide	mg/kg	0.18 U	1.7 U	0.17 U	0.18 U	0.17 U	0.17 U	1.1 U	0.2 U	9.6 U	0.95 U	0.94 U	0.18 U	0.18 U					
Carbon tetrachloride	mg/kg	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	1.9 U	0.19 U	0.2 U	0.19 U	0.19 U	1.2 U	0.22 U	11 U	1 U	1 U	0.2 U	0.2 U	
Chlorobenzene	mg/kg	0.095 U	0.094 U	0.092 U	0.093 U	0.094 U	0.9												

Table 1 - Phase 2B Detected Soil Results From Test-pits (To Be Used as Confirmation Floor Samples)
Stratus Redtail Ranch, Erie, Colorado

	Sample ID	NLF-SS-PHASE2BNW0 2-021718	NLF-SS-PHASE2BNW0 4-021718	NLF-SS-PHASE2BNW0 6-021718	NLF-SS-PHASE2BNW08-021718	NLF-SS-PHASE2BNW10-021718	NLF-SS-PHASE2BNE02-022118	NLF-SS-PHASE2BNE04-022118	NLF-SS-PHASE2BNE06-022118	NLF-SS-PHASE2BSE02-022118	NLF-SS-PHASE2BSE04-022118	NLF-SS-PHASE2BSE05-022118	NLF-SS-PHASE2BSW00-021618	NLF-SS-PHASE2BSW02-021618	NLF-SS-PHASE2BSW04-021618	NLF-SS-PHASE2BSW06-021618	NLF-SS-PHASE2BSW08-021618	NLF-SS-PHASE2BSW10-021618	NLF-SS-PHASE2BSW12-021618
	Sample Location Description	Sample from test pit in northwest corner of Phase 2B pit. (2' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (4' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (6' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (8' below the pit floor)	Excavator hit bedrock 1'6" below pit floor in western end of pit, west test pit moved approx. 10' east and 3' south (sampled 10' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (2' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (4' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (6' below the pit floor)	Soil sampled from a test pit in the SE corner of Phase 2B pit (4' below the pit floor)	Sample from test pit in the SE corner of Phase 2B pit (5' below the pit floor and directly above bedrock)	Duplicate of NLF-SS-PHASE2BSW04-021618 soil sample		Soil from SW test pit in 2B					
Compounds	Lab Identifier	180-75089-1	180-75089-1	180-75089-1	180-75089-1	180-75089-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1		
	Date Collected	2/17/2018	2/17/2018	2/17/2018	2/17/2018	2/17/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018		
Semi-volatile Organic Compounds (SVOCs)																			
1,1'-Biphenyl	mg/kg	0.032 U	0.031 U	0.03 U	0.031 U	0.031 U	0.03 U	0.032 U	0.075 U	0.031 U	0.038 U	0.034 U	0.034 U	0.033 U	0.032 U	0.031 U	0.032 U		
1,2,4,5-Tetrachlorobenzene	mg/kg	0.029 U	0.028 U	0.027 U	0.028 U	0.028 U	0.027 U	0.028 U	0.029 U	0.068 U	0.028 U	0.034 U	0.031 U	0.03 U	0.03 U	0.029 U	0.028 U	0.028 U	
1,4-Dioxane	mg/kg	0.061 U	0.059 U	0.058 U	0.059 U	0.059 J	0.058 U	0.058 U	0.061 U	0.14 U	0.058 U	0.67 J	0.37 J	0.94	0.46 J	0.27 J	0.06 U	0.06 U	
2,2'-Oxybis[1-chloropropane]	mg/kg	0.026 U	0.026 U	0.025 U	0.026 U	0.026 U	0.024 U	0.025 U	0.026 U	0.062 U	0.025 U	0.031 U	0.028 U	0.028 U	0.027 U	0.026 U	0.026 U	0.026 U	
2,3,4,6-Tetrachlorophenol	mg/kg	0.032 U	0.032 U	0.031 U	0.031 U F1 F2	0.032 U	0.03 U	0.031 U	0.032 U	0.076 U	0.031 U	0.038 U	0.035 U F1 F2	0.034 U	0.034 U	0.033 U	0.032 U	0.032 U	
2,4,5-Trichlorophenol	mg/kg	0.038 U	0.037 U	0.036 U	0.037 U	0.038 U	0.036 U	0.037 U	0.036 U	0.083 U	0.034 U	0.045 U	0.041 U	0.04 U	0.04 U	0.039 U	0.038 U	0.038 U	
2,4,6-Trichlorophenol	mg/kg	0.035 U	0.035 U	0.034 U	0.034 U	0.035 U	0.033 U	0.034 U	0.035 U	0.083 U	0.034 U	0.042 U	0.038 U F1	0.037 U	0.037 U	0.036 U	0.035 U	0.035 U	
2,4-Dichlorophenol	mg/kg	0.033 U	0.032 U	0.031 U	0.032 U	0.032 U	0.031 U	0.031 U	0.033 U	0.077 U	0.031 U	0.039 U	0.035 U	0.035 U	0.034 U	0.033 U	0.032 U	0.032 U	
2,4-Dimethylphenol	mg/kg	0.031 U	0.03 U	0.03 U	0.03 U	0.03 U	0.029 U	0.03 U	0.03 U	0.073 U	0.03 U	0.037 U	0.033 U	0.033 U	0.032 U	0.031 U	0.031 U	0.031 U	
2,4-Dinitrophenol	mg/kg	0.82 U	0.8 U	0.78 U	0.8 U F1	0.8 U	0.76 U	0.78 U	0.82 U	1.9 U	0.78 U	0.96 U	0.88 U F1	0.86 U	0.85 U	0.82 U	0.8 U	0.8 U	
2,4-Dinitrotoluene	mg/kg	0.053 U	0.052 U	0.051 U	0.052 U	0.052 U	0.05 U	0.051 U	0.053 U	0.13 U	0.051 U	0.063 U	0.057 U	0.056 U	0.055 U	0.054 U	0.052 U	0.053 U	
2,6-Dinitrotoluene	mg/kg	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.026 U	0.027 U	0.027 U	0.028 U	0.066 U	0.027 U	0.033 U	0.03 U	0.029 U	0.029 U	0.028 U	0.028 U	
2-Chloronaphthalene	mg/kg	0.026 U	0.026 U	0.025 U	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U	0.031 U	0.028 U	0.028 U	0.027 U	0.026 U	0.026 U	0.026 U	
2-Chlorophenol	mg/kg	0.029 U	0.028 U	0.027 U	0.028 U	0.028 U	0.027 U	0.028 U	0.029 U	0.028 U	0.028 U	0.031 U	0.03 U	0.03 U	0.029 U	0.028 U	0.029 U	0.029 U	
2-Methylnaphthalene	mg/kg	0.031 U	0.03 U	0.029 U	0.03 U	0.03 U	0.029 U	0.03 U	0.029 U	0.031 U	0.073 U	0.03 U	0.036 U	0.033 U	0.033 U	0.032 U	0.031 U	0.031 U	0.031 U
2-Methylphenol	mg/kg	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.033 U	0.034 U	0.036 U	0.084 U	0.034 U	0.066 J	0.038 U	0.037 U	0.07 J	0.036 U	0.035 U	0.035 U	
2-Nitroaniline	mg/kg	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.14 U	0.13 U	0.13 U	0.14 U	0.33 U	0.13 U	0.16 U	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	
2-Nitrophenol	mg/kg	0.03 U	0.029 U	0.028 U	0.029 U	0.029 U	0.028 U	0.028 U	0.029 U	0.07 U	0.028 U	0.035 U	0.031 U	0.031 U	0.03 U	0.029 U	0.029 U	0.029 U	
3,3'-Dichlorobenzidine	mg/kg	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.4 U	0.16 U	0.2 U	0.18 U	0.18 U	0.17 U	0.17 U	0.16 U	0.17 U	
3-Nitroaniline	mg/kg	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.28 U	0.11 U	0.14 U	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	
4,6-Dinitro-2-methylphenol	mg/kg	0.75 U *	0.73 U *	0.71 U *	0.73 U F1 *	0.73 U *	0.73 U	0.69 U	0.71 U	0.74 U	1.8 U	0.71 U	0.88 U	0.8 U F1	0.78 U	0.77 U	0.75 U	0.73 U	
4-Bromophenyl phenyl ether	mg/kg	0.038 U	0.038 U	0.036 U	0.037 U	0.038 U	0.036 U	0.037 U	0.038 U	0.091 U	0.037 U	0.045 U	0.041 U	0.04 U	0.04 U	0.039 U	0.038 U	0.038 U	
4-Chloro-3-methylphenol	mg/kg	0.042 U	0.041 U	0.04 U	0.041 U	0.042 U	0.04 U	0.041 U	0.042 U	0.1 U	0.041 U	0.05 U	0.046 U	0.045 U	0.044 U	0.043 U	0.042 U	0.042 U	
4-Chloroaniline	mg/kg	0.023 U	0.022 U	0.021 U	0.022 U	0.022 U	0.021 U	0.022 U	0.023 U	0.053 U									

Table 1 - Phase 2B Detected Soil Results From Test-pits (To Be Used as Confirmation Floor Samples)
Stratus Redtail Ranch, Erie, Colorado

	Sample ID	NLF-SS-PHASE2BNW0-2-021718	NLF-SS-PHASE2BNW0-4-021718	NLF-SS-PHASE2BNW0-6-021718	NLF-SS-PHASE2BNW0-8-021718	NLF-SS-PHASE2BNW10-021718	NLF-SS-PHASE2BNE02-022118	NLF-SS-PHASE2BNE04-022118	NLF-SS-PHASE2BNE06-022118	NLF-SS-PHASE2BSE02-022118	NLF-SS-PHASE2BSE04-022118	NLF-SS-PHASE2BSE05-022118	NLF-SS-PHASE2BSW00-022118	NLF-SS-PHASE2BSW02-021618	NLF-SS-PHASE2BSW04-021618	NLF-SS-PHASE2BSW06-021618	NLF-SS-PHASE2BSW08-021618	NLF-SS-PHASE2BSW10-021618	NLF-SS-PHASE2BSW12-021618
	Sample Location Description	Sample from test pit in northwest corner of Phase 2B pit. (2' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (4' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (6' below the pit floor)	Sample from test pit in northwest corner of Phase 2B pit. (8' below the pit floor)	Excavator hit bedrock 1'6" below pit floor in western end of pit, west test pit moved approx. 10' east and 3' south (sampled 10' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (2' below the pit floor)	Sample from test pit in the NE corner of Phase 2B pit (4' below the pit floor)	Soil sampled from a test pit in the SE corner of Phase 2B pit (6' below the pit floor)	Sample from test pit in the SE corner of Phase 2B pit (4' below the pit floor)	Sample from test pit in the SE corner of Phase 2B pit (5' below the pit floor and directly above bedrock)	Duplicate of NLF-SS-PHASE2BSW04-021618 soil sample		Soil from SW test pit in 2B					
Compounds	Lab Identifier	180-75089-1	180-75089-1	180-75089-1	180-75089-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75165-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	180-75049-1	
	Date Collected	2/17/2018	2/17/2018	2/17/2018	2/17/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/21/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	
Indeno[1,2,3-cd]pyrene	mg/kg	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.03 U	0.03 U	0.031 U	0.074 U	0.03 U	0.037 U	0.033 U	0.032 U	0.031 U	0.031 U	0.031 U	
Isophorone	mg/kg	0.022 U	0.022 U	0.021 U	0.022 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.053 U	0.021 U	0.026 U	0.024 U	0.023 U	0.023 U	0.022 U	0.022 U	
Methylphenol, 3 & 4	mg/kg	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U	0.036 U	0.084 U	0.034 U	0.081 J	0.038 U	0.037 U	0.06 J	0.036 U	0.035 U	
Naphthalene	mg/kg	0.029 U	0.028 U	0.028 U	0.028 U	0.028 U	0.079	0.028 U	0.028 U	0.029 U	0.068 U	0.028 U	0.034 U	0.031 U	0.03 U	0.029 U	0.028 U	0.029 U	
Nitrobenzene	mg/kg	0.031 U	0.03 U	0.029 U	0.03 U	0.03 U	0.029 U	0.029 U	0.029 U	0.031 U	0.073 U	0.029 U	0.036 U	0.033 U	0.032 U	0.031 U	0.03 U	0.03 U	
N-Nitrosodi-n-propylamine	mg/kg	0.027 U	0.027 U	0.026 U	0.027 U	0.027 U	0.025 U	0.026 U	0.026 U	0.027 U	0.064 U	0.026 U	0.032 U	0.029 U	0.028 U	0.028 U	0.027 U	0.027 U	
N-Nitrosodiphenylamine	mg/kg	0.063 U	0.062 U	0.06 U	0.062 U	0.062 U	0.059 U	0.061 U	0.06 U	0.063 U	0.15 U	0.061 U	0.075 U	0.068 U	0.067 U	0.066 U	0.064 U	0.062 U	
Pentachlorophenol	mg/kg	0.76 U	0.75 U	0.72 U	0.74 U F1	0.75 U	0.71 U	0.73 U	0.73 U	0.76 U	1.8 U	0.73 U	0.9 U	0.82 U F1	0.8 U	0.79 U	0.77 U	0.75 U	0.75 U
Phenanthrene	mg/kg	0.034 U	0.033 U	0.032 U	0.033 U	0.033 U	0.031 U	0.032 U	0.032 U	0.034 U	0.079 U	0.032 U	0.04 U	0.036 U	0.035 U	0.034 U	0.033 U	0.033 U	
Phenol	mg/kg	0.055 U	0.053 U	0.052 U	0.053 U F2	0.053 U	0.051 U	0.052 U	0.052 U	0.054 U	0.13 U	0.052 U	0.064 U	0.058 U	0.057 U	0.055 U	0.054 U	0.054 U	
Pyrene	mg/kg	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U	0.036 U	0.085 U	0.034 U	0.042 U	0.039 U	0.038 U	0.037 U	0.036 U	0.035 U	
Pyridine	mg/kg	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.036 U	0.037 U	0.037 U	0.039 U	0.091 U	0.037 U	0.045 U	0.041 U	0.04 U	0.039 U	0.038 U	0.038 U	
Total Metals																			
Aluminum	mg/kg	NA	6,600	NA	NA	NA	NA	6,500	NA	NA	NA	3,800	NA	NA	NA	NA	6,300	NA	NA
Antimony	mg/kg	NA	0.42 U	NA	NA	NA	NA	0.4 U	NA	NA	NA	0.41 U	NA	NA	NA	0.5 J	NA	NA	NA
Arsenic	mg/kg	NA	2.5	NA	NA	NA	NA	6.7	NA	NA	NA	6.6	NA	NA	NA	2.9	NA	NA	NA
Barium	mg/kg	NA	47	NA	NA	NA	NA	60	NA	NA	NA	230	NA	NA	NA	41	NA	NA	NA
Beryllium	mg/kg	NA	0.56	NA	NA	NA	NA	0.64	NA	NA	NA	0.58	NA	NA	NA	0.64	NA	NA	NA
Cadmium	mg/kg	NA	0.15 J	NA	NA	NA	NA	0.27 J	NA	NA	NA	0.21 J	NA	NA	NA	0.3 J	NA	NA	NA
Calcium	mg/kg	NA	890	NA	NA	NA	NA	5200	NA	NA	NA	8900	NA	NA	NA	8800	NA	NA	NA
Chromium	mg/kg	NA	8.3	NA	NA	NA	NA	12	NA	NA	NA	8.1	NA	NA	NA	7.6	NA	NA	NA
Cobalt	mg/kg	NA	2.1 J	NA	NA	NA	NA	5.8 J	NA	NA	NA	6.2	NA	NA	NA	4.1 J	NA	NA	NA
Copper	mg/kg	NA	16	NA	NA	NA	NA	21	NA	NA	NA	9.3	NA	NA	NA	21	NA	NA	NA
Iron	mg/kg	NA	8900	NA	NA	NA	NA	9200	NA	NA	NA	25000	NA	NA	NA	9100	NA	NA	NA
Lead	mg/kg	NA	18	NA	NA	NA	NA	16	NA	NA	NA	11	NA	NA	NA	21	NA	NA	NA
Magnesium	mg/kg	NA	2600	NA	NA	NA	NA	4100	NA	NA	NA	4700	NA	NA	NA	2900	NA	NA	NA
Manganese	mg/kg	NA	45	NA	NA	NA	NA	72	NA	NA	NA	280	NA	NA	NA	39	NA	NA	NA
Mercury	mg/kg	NA	0.07	NA	NA	NA	NA	0.03 J	NA	NA	NA	0 J	NA	NA	NA	0	NA	NA	NA
Nickel	mg/kg	NA	7	NA	NA	NA	NA	14	NA	NA	NA	14	NA	NA	NA	10	NA	NA	NA
Potassium	mg/kg	NA	850	NA	NA	NA	NA	1100	NA	NA	NA	750	NA	NA	NA	770	NA	NA	NA
Selenium	mg/kg	NA	0.63 U	NA	NA	NA	NA	0.61 U	NA	NA	NA	0.62 U	NA	NA	NA	0.63 U	NA	NA	NA
Silver	mg/kg	NA	0.13 U	NA	NA	NA	NA	0.12 U	NA	NA	NA	0.13 U	NA	NA	NA	0.13 U	NA	NA	NA
Sodium	mg/kg	NA	3000	NA	NA	NA	NA	1,300	NA	NA	NA	900	NA	NA	NA	3,100	NA	NA	NA
Thallium	mg/kg	NA	0.26 U	NA	NA	NA	NA	0.25 U	NA	NA	NA	0.25 U	NA	NA	NA	0.26 U	NA	NA	NA
Vanadium	mg/kg	NA	20	NA	NA	NA	NA	24	NA	NA	NA	19	NA	NA	NA	19	NA	NA	NA
Zinc	mg/kg	NA	76	NA	NA	NA	NA												

Table 2 - Phase 3 Confirmation Walls and Floor Soil Results
Stratus Redtail Site, Erie, Colorado

Compounds	Sample ID	NLF-SS-PHASE3-CONFSWALL01-030918	NLF-SS-PHASE3-CONFSWALL02-030918	NLF-SS-PHASE3-CONFSWALL03-030918	NLF-SS-PHASE3-CONFSWALL04-030918	NLF-SS-PHASE3-CONFFL01-030918	NLF-SS-PHASE3-CONFFL02-030918	NLF-SS-PHASE3-CONFFL03-030918	NLF-SS-PHASE3-CONFFL04-030918	NLF-SS-PHASE3-CONFNWALL01-030918	NLF-SS-PHASE3-CONFNWALL02-030918	NLF-SS-PHASE3-CONFNWALL03-030918	NLF-SS-PHASE3-CONFEWALL01-030918	NLF-SS-PHASE3-CONFWWAL01-030918
	Sample Location Description	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	
	Lab Identifier	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	
	Date Collected	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	
Volatile Organic Compounds														
1,1,1-Trichloroethane	mg/kg	0.16 U	0.15 U	0.14 U	0.17 U	0.14 U	0.15 U	0.15 U	0.2 U	0.15 U	0.17 U	0.14 U	0.21 U	
1,1,2,2-Tetrachloroethane	mg/kg	0.19 U	0.17 U	0.17 U	0.2 U	0.17 U	0.18 U	0.17 U	0.18 U	0.24 U	0.18 U	0.2 U	0.25 U	
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.12 U	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.15 U	0.11 U	0.13 U	0.11 U	0.16 U
1,1,2-Trichloroethane	mg/kg	0.15 U	0.14 U	0.14 U	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.19 U	0.14 U	0.16 U	0.13 U	0.2 U
1,1-Dichloroethane	mg/kg	0.11 U	0.11 U	0.1 U	0.12 U	0.1 U	0.11 U	0.11 U	0.14 U	0.11 U	0.12 U	0.1 U	0.15 U	
1,1-Dichloroethene	mg/kg	0.18 U	0.17 U	0.16 U	0.19 U	0.16 U	0.17 U	0.18 U	0.23 U	0.17 U	0.19 U	0.16 U	0.24 U	
1,2,3-Trichlorobenzene	mg/kg	0.13 U	0.12 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U	0.13 U	0.17 U	0.12 U	0.14 U	0.11 U	0.17 U
1,2,4-Trichlorobenzene	mg/kg	0.1 U	0.094 U	0.093 U	0.11 U	0.09 U	0.099 U	0.094 U	0.099 U	0.13 U	0.095 U	0.11 U	0.089 U	0.13 U
1,2-Dibromo-3-Chloropropane	mg/kg	0.19 U	0.18 U	0.18 U	0.21 U	0.17 U	0.19 U	0.18 U	0.19 U	0.25 U	0.18 U	0.2 U	0.17 U	0.26 U
1,2-Dibromoethane	mg/kg	0.17 U	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.16 U	0.17 U	0.22 U	0.16 U	0.18 U	0.15 U	0.23 U
1,2-Dichlorobenzene	mg/kg	0.25 U	0.23 U	0.23 U	0.27 U	0.22 U	0.25 U	0.23 U	0.25 U	0.32 U	0.24 U	0.27 U	0.22 U	0.33 U
1,2-Dichloroethane	mg/kg	0.09 U	0.084 U	0.084 U	0.098 U	0.081 U	0.089 U	0.084 U	0.089 U	0.12 U	0.086 U	0.096 U	0.08 U	0.12 U
1,2-Dichloropropane	mg/kg	0.15 U	0.14 U	0.14 U	0.16 U	0.14 U	0.15 U	0.14 U	0.15 U	0.2 U	0.14 U	0.16 U	0.14 U	0.2 U
1,3-Dichlorobenzene	mg/kg	0.099 U	0.093 U	0.092 U	0.11 U	0.089 U	0.098 U	0.093 U	0.098 U	0.13 U	0.094 U	0.11 U	0.088 U	0.13 U
1,4-Dichlorobenzene	mg/kg	0.064 U	0.059 U	0.059 U	0.069 U	0.057 U	0.063 U	0.059 U	0.063 U	0.082 U	0.06 U	0.068 U	0.056 U	0.085 U
1,4-Dioxane	mg/kg	2.3 U	2.1 U	2.1 U	2.5 U	2 U	2.2 U	2.1 U	2.3 U	2.9 U	2.2 U	2.4 U	2 U	3 U
2-Butanone (MEK)	mg/kg	0.18 U	0.17 U	0.17 U	0.19 U	0.16 U	0.18 U	0.17 U	0.18 U	0.23 U	0.17 U	0.19 U	0.16 U	0.24 U
2-Hexanone	mg/kg	0.26 U	0.24 U	0.24 U	0.28 U	0.23 U	0.26 U	0.24 U	0.26 U	0.34 U	0.25 U	0.28 U	0.23 U	0.35 U
4-Methyl-2-pentanone (MIBK)	mg/kg	0.12 U	0.11 U	0.11 U	0.12 U	0.1 U	0.11 U	0.11 U	0.15 U	0.11 U	0.12 U	0.1 U	0.15 U	
Acetone	mg/kg	0.2 U	0.18 U	0.18 U	0.21 U	0.18 U	0.19 U	0.18 U	0.19 U	0.25 U	0.19 U	0.21 U	0.17 U	0.26 U
Benzene	mg/kg	0.12 U	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.16 U	0.12 U	0.13 U	0.11 U	0.16 U
Bromoform	mg/kg	0.16 U	0.15 U	0.15 U	0.18 U	0.15 U	0.16 U	0.15 U	0.16 U	0.21 U	0.15 U	0.17 U	0.14 U	0.22 U
Bromomethane	mg/kg	0.28 U	0.26 U	0.26 U	0.3 U	0.25 U	0.28 U	0.26 U	0.28 U	0.36 U	0.26 U	0.3 U	0.25 U	0.37 U
Carbon disulfide	mg/kg	0.19 U	0.17 U	0.17 U	0.2 U	0.17 U	0.18 U	0.18 U	0.19 U	0.24 U	0.18 U	0.2 U	0.17 U	0.25 U
Carbon tetrachloride	mg/kg	0.21 U	0.19 U	0.19 U	0.22 U	0.18 U	0.2 U	0.19 U	0.2 U	0.27 U	0.2 U	0.22 U	0.18 U	0.28 U
Chlorobenzene	mg/kg	0.098 U	0.091 U	0.091 U	0.11 U	0.087 U	0.096 U	0.091 U	0.097 U	0.13 U	0.093 U	0.1 U	0.087 U	0.13 U
Chlorobromomethane	mg/kg	0.12 U	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.15 U	0.11 U	0.13 U	0.11 U	0.16 U
Chlorodibromomethane	mg/kg	0.15 U	0.14 U	0.14 U	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.19 U	0.14 U	0.16 U	0.13 U	0.2 U
Chloroethane	mg/kg	0.16 U	0.15 U	0.15 U	0.17 U	0.14 U	0.16 U	0.15 U	0.16 U	0.21 U	0.15 U	0.17 U	0.14 U	0.22 U
Chloroform	mg/kg	0.13 U	0.12 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U	0.13 U	0.17 U	0.12 U	0.14 U	0.12 U	0.18 U
Chloromethane	mg/kg	0.24 U	0.22 U	0.22 U	0.26 U	0.21 U	0.24 U	0.22 U	0.24 U	0.31 U	0.23 U	0.26 U	0.21 U	0.32 U
cis-1,2-Dichloroethene	mg/kg	0.098 U	0.091 U	0.091 U	0.11 U	0.087 U	0.096 U	0.091 U	0.097 U	0.13 U	0.093 U	0.1 U	0.087 U	0.13 U
cis-1,3-Dichloropropene	mg/kg	0.1 U	0.093 U	0.092 U	0.11 U	0.089 U	0.098 U	0.093 U	0.098 U	0.13 U	0.094 U	0.11 U	0.088 U	0.13 U
Cyclohexane	mg/kg	0.076 U	0.071 U	0.071 U	0.082 U	0.068 U	0.075 U	0.071 U	0.075 U	0.098 U	0.072 U	0.081 U	0.067 U	0.1 U
Cyclohexanone	mg/kg	3.6 U	3.4 U	3.4 U	3.9 U	3.2 U	3.6 U	3.4 U	3.6 U	4.7 U	3.4 U	3.9 U	3.2 U	4.8 U
Dichlorobromomethane	mg/kg	0.15 U	0.14 U	0.14 U										

Table 2 - Phase 3 Confirmation Walls and Floor Soil Results
Stratus Redtail Site, Erie, Colorado

Compounds	Sample ID	NLF-SS-PHASE3-CONFSWALL01-030918	NLF-SS-PHASE3-CONFSWALL02-030918	NLF-SS-PHASE3-CONFSWALL03-030918	NLF-SS-PHASE3-CONFSWALL04-030918	NLF-SS-PHASE3-CONFFL01-030918	NLF-SS-PHASE3-CONFFL02-030918	NLF-SS-PHASE3-CONFFL03-030918	NLF-SS-PHASE3-CONFFL04-030918	NLF-SS-PHASE3-CONFNWALL01-030918	NLF-SS-PHASE3-CONFNWALL02-030918	NLF-SS-PHASE3-CONFNWALL03-030918	NLF-SS-PHASE3-CONFNWALL04-030918	NLF-SS-PHASE3-CONFNWAL L01-030918
	Sample Location Description	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.
	Lab Identifier	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1
	Date Collected	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018
Semi-volatile Organic Compounds (SVOCs)														
1,1'-Biphenyl	mg/kg	0.017 U	0.016 U	0.016 U	0.019 U	0.015 U	0.017 U	0.016 U	0.017 U	0.022 U	0.016 U	0.018 U	0.016 U	0.023 U
1,2,4,5-Tetrachlorobenzene	mg/kg	0.018 U	0.016 U	0.017 U	0.019 U	0.016 U	0.017 U	0.016 U	0.018 U	0.023 U	0.017 U	0.019 U	0.016 U	0.023 U
1,4-Dioxane	mg/kg	0.13 U	0.12 U	0.12 U	0.14 U	0.11 U	0.13 U	0.12 U	0.13 U	0.16 U	0.12 U	0.14 U	0.12 U	0.17 U
2,2'-oxybis[1-chloropropane]	mg/kg	0.03 U	0.028 U	0.028 U	0.033 U	0.027 U	0.03 U	0.028 U	0.031 U	0.039 U	0.029 U	0.032 U	0.027 U	0.04 U
2,3,4,6-Tetrachlorophenol	mg/kg	0.17 U	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.16 U	0.17 U	0.22 U	0.16 U	0.18 U	0.15 U	0.23 U
2,4,5-Trichlorophenol	mg/kg	0.029 U	0.027 U	0.027 U	0.032 U	0.026 U	0.029 U	0.027 U	0.03 U	0.038 U	0.028 U	0.031 U	0.026 U	0.039 U
2,4,6-Trichlorophenol	mg/kg	0.022 U	0.021 U	0.021 U	0.024 U	0.02 U	0.022 U	0.021 U	0.023 U	0.029 U	0.021 U	0.024 U	0.02 U	0.03 U
2,4-Dichlorophenol	mg/kg	0.031 U	0.029 U	0.029 U	0.034 U	0.028 U	0.031 U	0.029 U	0.032 U	0.041 U	0.03 U	0.033 U	0.028 U	0.042 U
2,4-Dimethylphenol	mg/kg	0.025 U	0.023 U	0.024 U	0.027 U	0.023 U	0.025 U	0.024 U	0.026 U	0.033 U	0.024 U	0.027 U	0.023 U	0.034 U
2,4-Dinitrophenol	mg/kg	1.1 U	1 U	1 U	1.2 U	0.99 U	1.1 U	1 U	1.1 U	1.4 U	1.1 U	1.2 U	0.99 U	1.5 U
2,4-Dinitrotoluene	mg/kg	0.02 U	0.019 U	0.019 U	0.022 U	0.018 U	0.02 U	0.019 U	0.021 U	0.026 U	0.019 U	0.022 U	0.018 U	0.027 U
2,6-Dinitrotoluene	mg/kg	0.025 U	0.023 U	0.024 U	0.027 U	0.023 U	0.025 U	0.023 U	0.026 U	0.033 U	0.024 U	0.027 U	0.023 U	0.033 U
2-Chloronaphthalene	mg/kg	0.019 U	0.017 U	0.018 U	0.02 U	0.017 U	0.018 U	0.017 U	0.019 U	0.024 U	0.018 U	0.02 U	0.017 U	0.025 U
2-Chlorophenol	mg/kg	0.019 U	0.018 U	0.018 U	0.021 U	0.017 U	0.019 U	0.018 U	0.019 U	0.024 U	0.018 U	0.02 U	0.017 U	0.025 U
2-Methylnaphthalene	mg/kg	0.02 U	0.018 U	0.018 U	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.025 U	0.019 U	0.021 U	0.018 U	0.026 U
2-Methylphenol	mg/kg	0.12 U	0.11 U	0.11 U	0.13 U	0.11 U	0.11 U	0.11 U	0.12 U	0.15 U	0.11 U	0.12 U	0.11 U	0.16 U
2-Nitroaniline	mg/kg	0.19 U	0.17 U	0.17 U	0.2 U	0.17 U	0.18 U	0.17 U	0.19 U	0.24 U	0.18 U	0.2 U	0.17 U	0.25 U
2-Nitrophenol	mg/kg	0.023 U	0.022 U	0.022 U	0.025 U	0.021 U	0.023 U	0.022 U	0.024 U	0.03 U	0.022 U	0.025 U	0.021 U	0.031 U
3,3'-Dichlorobenzidine	mg/kg	0.38 U	0.35 U	0.36 U	0.41 U	0.34 U	0.37 U	0.35 U	0.39 U	0.49 U	0.36 U	0.41 U	0.34 U	0.51 U
3-Nitroaniline	mg/kg	0.1 U	0.096 U	0.097 U	0.11 U	0.094 U	0.1 U	0.097 U	0.11 U	0.13 U	0.099 U	0.11 U	0.094 U	0.14 U
4,6-Dinitro-2-methylphenol	mg/kg	0.7 U	0.65 U	0.66 U	0.76 U	0.64 U	0.69 U	0.66 U	0.72 U	0.91 U	0.67 U	0.75 U	0.64 U	0.93 U
4-Bromophenyl phenyl ether	mg/kg	0.029 U	0.026 U	0.027 U	0.031 U	0.026 U	0.028 U	0.027 U	0.029 U	0.037 U	0.027 U	0.03 U	0.026 U	0.038 U
4-Chloro-3-methylphenol	mg/kg	0.019 U	0.018 U	0.018 U	0.021 U	0.017 U	0.019 U	0.018 U	0.02 U	0.025 U	0.018 U	0.02 U	0.017 U	0.025 U
4-Chloroaniline	mg/kg	0.014 U	0.013 U	0.013 U	0.015 U	0.012 U	0.013 U	0.013 U	0.014 U	0.018 U	0.013 U	0.014 U	0.012 U	0.018 U
4-Chlorophenyl phenyl ether	mg/kg	0.025 U	0.023 U	0.023 U	0.027 U	0.022 U	0.024 U	0.023 U	0.025 U	0.032 U	0.024 U	0.026 U	0.022 U	0.033 U
4-Nitroaniline	mg/kg	0.02 U	0.018 U	0.019 U	0.022 U	0.018 U	0.019 U	0.018 U	0.02 U	0.026 U	0.019 U	0.021 U	0.018 U	0.026 U
4-Nitrophenol	mg/kg	0.29 U	0.26 U	0.27 U	0.31 U	0.26 U	0.28 U	0.27 U	0.29 U	0.37 U	0.27 U	0.3 U	0.26 U	0.38 U
Acenaphthene	mg/kg	0.024 U	0.022 U	0.022 U	0.025 U	0.021 U	0.023 U	0.022 U	0.024 U	0.03 U	0.022 U	0.025 U	0.021 U	0.031 U
Acenaphthylene	mg/kg	0.018 U	0.017 U	0.017 U	0.019 U	0.016 U	0.018 U	0.017 U	0.018 U	0.023 U	0.017 U	0.019 U	0.016 U	0.024 U
Acetophenone	mg/kg	0.022 U	0.02 U	0.021 U	0.024 U	0.02 U	0.022 U	0.021 U	0.023 U	0.029 U	0.021 U	0.024 U	0.02 U	0.029 U
Anthracene	mg/kg	0.021 U	0.02 U	0.02 U	0.023 U	0.019 U	0.021 U	0.02 U	0.022 U	0.027 U	0.02 U	0.023 U	0.019 U	0.028 U
Atrazine	mg/kg	0.18 U	0.17 U	0.17 U	0.19 U	0.16 U	0.18 U	0.17 U	0.18 U	0.23 U	0.17 U	0.19 U	0.16 U	0.24 U
Benzaldehyde	mg/kg	0.051 U	0.047 U	0.048 U	0.055 U	0.046 U	0.05 U	0.047 U	0.052 U	0.065 U	0.048 U	0.054 U	0.046 U	0.067 U

Table 2 - Phase 3 Confirmation Walls and Floor Soil Results
Stratus Redtail Site, Erie, Colorado

	Sample ID	NLF-SS-PHASE3-CONF3WALL0-1-030918	NLF-SS-PHASE3-CONF3WALL0-2-030918	NLF-SS-PHASE3-CONF3WALL0-3-030918	NLF-SS-PHASE3-CONF3WALL0-4-030918	NLF-SS-PHASE3-CONF3FL01-030918	NLF-SS-PHASE3-CONF3FL02-030918	NLF-SS-PHASE3-CONF3FL03-030918	NLF-SS-PHASE3-CONF3FL04-030918	NLF-SS-PHASE3-CONF3WALL0-1-030918	NLF-SS-PHASE3-CONF3WALL0-2-030918	NLF-SS-PHASE3-CONF3WALL0-3-030918	NLF-SS-PHASE3-CONF3WALL0-4-030918	NLF-SS-PHASE3-CONF3WALL0-L01-030918
	Sample Location Description	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	Confirmation soil sample taken from Phase 3 pit. See DFR 63 for detailed location.	
Compounds	Lab Identifier	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	180-75728-1	
	Date Collected	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	3/9/2018	
Methylphenol, 3 & 4	mg/kg	0.12 U	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.15 U	0.11 U	0.13 U	0.11 U	0.16 U
Naphthalene	mg/kg	0.016 U	0.015 U	0.015 U	0.017 U	0.014 U	0.016 U	0.015 U	0.016 U	0.021 U	0.015 U	0.017 U	0.014 U	0.021 U
Nitrobenzene	mg/kg	0.15 U	0.14 U	0.14 U	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.19 U	0.14 U	0.16 U	0.14 U	0.2 U
N-Nitrosodi-n-propylamine	mg/kg	0.028 U	0.026 U	0.026 U	0.03 U	0.025 U	0.027 U	0.026 U	0.028 U	0.036 U	0.026 U	0.029 U	0.025 U	0.037 U
N-Nitrosodiphenylamine	mg/kg	0.14 U	0.13 U	0.13 U	0.15 U	0.12 U	0.13 U	0.13 U	0.14 U	0.18 U	0.13 U	0.14 U	0.12 U	0.18 U
Pentachlorophenol	mg/kg	0.66 U	0.61 U	0.62 U	0.71 U	0.59 U	0.64 U	0.61 U	0.67 U	0.85 U	0.63 U	0.7 U	0.59 U	0.87 U
Phenanthere	mg/kg	0.022 U	0.02 U	0.021 U	0.024 U	0.02 U	0.022 U	0.02 U	0.022 U	0.028 U	0.021 U	0.023 U	0.02 U	0.029 U
Phenol	mg/kg	0.12 U	0.11 U	0.12 U	0.13 U	0.11 U	0.12 U	0.12 U	0.13 U	0.16 U	0.12 U	0.13 U	0.11 U	0.16 U
Pyrene	mg/kg	0.019 U	0.018 U	0.018 U	0.021 U	0.017 U	0.019 U	0.018 U	0.02 U	0.025 U	0.019 U	0.021 U	0.018 U	0.026 U
Pyridine	mg/kg	0.22 U	0.2 U	0.21 U	0.24 U	0.2 U	0.22 U	0.21 U	0.22 U	0.28 U	0.21 U	0.23 U	0.2 U	0.29 U
Total Metals														
Aluminum	mg/kg	NA	NA											
Antimony	mg/kg	NA	NA											
Arsenic ¹	mg/kg	NA	NA											
Barium	mg/kg	NA	NA											
Beryllium	mg/kg	NA	NA											
Cadmium	mg/kg	NA	NA											
Calcium	mg/kg	NA	NA											
Chromium	mg/kg	NA	NA											
Cobalt	mg/kg	NA	NA											
Copper	mg/kg	NA	NA											
Iron	mg/kg	NA	NA											
Lead	mg/kg	NA	NA											
Magnesium	mg/kg	NA	NA											
Manganese	mg/kg	NA	NA											
Mercury	mg/kg	NA	NA											
Nickel	mg/kg	NA	NA											
Potassium	mg/kg	NA	NA											
Selenium	mg/kg	NA	NA											
Sodium	mg/kg	NA	NA											
Vanadium	mg/kg	NA	NA											
Zinc	mg/kg	NA	NA											
General Chemistry														
Cyanide, Total	mg/kg	NA	NA											
Sulfide	mg/kg	NA	NA											
Polychlorinated Biphenyls (PCBs)														
PCB-1242	mg/kg	NA	NA											
PCB-1248	mg/kg	NA	NA											
PCB-1254	mg/kg	NA	NA											
PCB-1260	mg/kg	NA	NA											

Notes:

¹ - Established background concentration for arsenic is 11 ppm.

mg/kg - Milligrams per kilogram.

ppm - Parts per million.

NA - Not analyzed

Not detected

J - Laboratory Qualifier; Estimated concentration detected above the method detection limit (MDL) but below the reporting limit (RL).

B - Laboratory Qualifier; Compound detected in the laboratory method blank.

F1 - Laboratory Qualifier; Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery is outside acceptance limits.

F2 - Laboratory Qualifier; MS/MSD Relative Percent Difference (RPD) exceeds control limits.

U - Laboratory Qualifier; Compound not detected

* - Laboratory Qualifier; Laboratory Control Sample (LCS) or Lab Control Sample Duplicate (LCSD) is outside acceptance limits.

Results shaded green are detected values

Sample NLF-SS-PHASE3-CONF3FL02-030918 and NLF-SS-PHASE3-CONF3WALL03-030918 had all non-detected results.